

What is claimed is:

1. A sensor apparatus comprising:

a single [focusing] superacromatic objective lens for focusing [receiving] radiation in a subspectrum of the visible/NIR/SWIR spectral region and in a subspectrum of the thermal IR 3-15 micron spectral region ^{from a} scene;

a beamsplitter for receiving radiation from said objective lens and dividing the received radiation into first and second components;

a first focal plane array receiving said first component of said radiation and sensing in a subspectrum of the visible/NIR/SWIR spectral region to produce a corresponding first output signal;

a second focal plane array receiving said second component of said radiation and sensing in a subspectrum of the Thermal IR 3-15 micron spectral region to produce a second output signal; and

a composite signal output related to the signal outputs of said first and second focal plane arrays.